

Title (en)
SCHEDULING METHOD AND SCHEDULING CONTROLLER FOR WIRELESS-CONNECTED APPARATUS

Title (de)
SCHEDULING-VERFAHREN UND -STEUERUNG FÜR EIN DRAHTLOS VERBUNDENES GERÄT

Title (fr)
PROCÉDÉ DE PLANIFICATION ET CONTRÔLEUR DE PLANIFICATION POUR APPAREILS CONNECTÉS SANS-FIL

Publication
EP 2958347 B1 20171115 (EN)

Application
EP 14172704 A 20140617

Priority
EP 14172704 A 20140617

Abstract (en)
[origin: EP2958347A1] A scheduling method for controlling wireless transmission of an electrical data signal by an apparatus deployed within a predefined area is proposed, the method comprising controlling transmission of the data signal according to a preset policy such that, while a human belonging to a specific predetermined category is present within the predefined area, transmission of the data signal is suspended unless it is, or becomes, urgent. In this way, human exposure to EMF emitted by the apparatus can be reduced, since transmission is suspended while a human or particular human is within the predefined area unless the transmission is of an urgent nature. A particular embodiment aims to minimize human exposure to EMF emission from the operation of machine-to-machine (M2M) devices in smart buildings, by actively reducing radio transmission of the M2M devices upon detection of a human in close proximity to these devices. A location-based scheduling policy can be made for various parts of the building. The scheduling policy can also be made to prioritize the EMF reduction for certain people, subject to a number of criteria, such as their health condition, past EMF exposure, or their EMF dosage information aggregated from multiple smart buildings.

IPC 8 full level
H04W 4/70 (2018.01); **H04W 4/021** (2018.01); **H04W 4/90** (2018.01); **H04W 48/02** (2009.01)

CPC (source: EP US)
H04W 4/021 (2013.01 - EP US); **H04W 4/70** (2018.01 - EP US); **H04W 4/90** (2018.01 - EP US); **H04W 72/12** (2013.01 - US)

Cited by
CN108289309A; CN108289307A; CN108289308A; WO2018134629A1; US10470189B2; US11026236B2

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DOCDB simple family (application)
EP 14172704 A 20140617; EP 2014074784 W 20141117; JP 2016573127 A 20141117; US 201415312592 A 20141117